

-86°C Freezer



Technical Parameters

Model	BDF-86V408D		BDF-86V588D	BDF-86V838D
Capacity	408L		588L	838L
Temp. Range	-40~-86℃			
Temp. Accuracy	0.1℃			
Temp. Uniformity	≤4℃			
Temp. Stability	≤6℃		≤7℃	
Recovery Time (Recover to -75℃ in an ambient temp. of 25℃)	21min	16min	35min	
Cooling Time (Cool down to -80℃ in an ambient temp. of 25℃)	173min	117min	229min	
Control System	Microprocessor control			
Display	7-inch LCD touch screen			
Alarm	Audible and visual alarm, high and low temperature alarm, sensor fault alarm, condenser dirty blocked alarm, abnormal ring temperature alarm, abnormal voltage alarm, power off alarm, door opening alarm, low battery alarm, remote alarm interface, all alarm information and history can be queried on the LCD screen			
Refrigeration Type	Direct-cooling			
Refrigerant	R4001, 300g		R4001, 320g	R4001, 400g
Compressor	Imported brand SECOP compressor/2			
Condenser & Evaporator	Copper tube, copper tube plate			
Defrost	Manual defrost			
Construction	High density polyurethane foam, CFC free			
Material	Internal Material	304 stainless steel		
	External Material	Sprayed steel plate		
Door	Outer door: sprayed steel plate door*1 Inner door: 304 stainless steel door*2			
Consumption	1350W	1500W	1700W	
Power Supply	AC 220V, 50/60Hz (Standard); 110V, 50/60Hz (Optional, external transformer)			
Casters	Yes			
Shelf	3			
Standard Accessory	Remote alarm interface, USB interface, test port, handwriting drawing board function, A4 paper slot function, automatic air pressure balance hole			
Optional Accessory	Temperature recorder, liquid nitrogen backup system			
Internal Size(W*D*H)	606*575*1180mm	606*738*1310mm	894*718*1310mm	
External Size(W*D*H)	891*992*1945.5mm	891*1155*1994.5mm	1179*1135*1994.5mm	
Package Size(W*D*H)	965*1035*2120mm	975*1190*2200mm	1275*1170*2200mm	
Net Weight	235.5kg	283kg	310kg	
Gross Weight	278kg	345.5kg	333.5kg	

-86°C Freezer



BDF-86V588



BDF-86V728



BDF-86V838

Technical Parameters

Model	BDF-86V588		BDF-86V728	BDF-86V838
Capacity	588L		728L	838L
Temp. Range	-40~-86℃			
Temp. Accuracy	0.1℃			
Temp. Uniformity	≤4℃			
Temp. Stability	≤6℃			≤7℃
Recovery Time (Recover to -75℃ in an ambient temp. of 25℃)	48min	57min	40min	
Cooling Time (Cool down to -80℃ in an ambient temp. of 25℃)	302min	410min	245min	
Control System	Microprocessor control			
Display	LCD touch screen			LCD screen
Alarm	Audible and visual alarm, high and low temperature alarm, sensor fault alarm, condenser dirty blocked alarm, abnormal ring temperature alarm, abnormal voltage alarm, power off alarm, door opening alarm, low battery alarm, remote alarm interface, all alarm information and history can be queried on the LCD screen			
Refrigeration Type	Direct-cooling			
Refrigerant	R290, 130g; R170, 68g R290, 140g; R170, 78g			
Compressor	Imported brand SECOP compressor/2			
Condenser & Evaporator	Copper tube finned type, copper coil type			
Defrost	Manual defrost			
Construction	High density polyurethane foam, CFC free			
Material	Internal Material	304 stainless steel		
	External Material	Sprayed steel plate		
Door	Outer door: sprayed steel plate door*1 Inner door: 304 stainless steel door*2			
Consumption	690W	710W	1700W	
Power Supply	AC 220V, 50/60Hz (Standard); 110V, 60Hz (Optional, external transformer)			
Casters	Yes			
Shelf	3			
Standard Accessory	Remote alarm interface, USB interface, test port, handwriting drawing board function, A4 paper slot function, automatic air pressure balance hole			
Optional Accessory	Temperature recorder, disc recorder, liquid nitrogen backup system			Liquid nitrogen backup system, temperature recorder
Internal Size(W*D*H)	606*738*1310mm	963*571*1350mm	894*718*1310mm	
External Size(W*D*H)	891*1155*1994.5mm	1248*975*1994.5mm	1160*1172*1994.5mm	
Package Size(W*D*H)	1330*1010*2200mm	1330*1010*2200mm	1275*1170*2200mm	
Net Weight	335kg	380kg	391kg	
Gross Weight	400kg	400kg	424kg	